SONY

DSC-T300/B

Cyber-shot® Digital Still Camera

With Sony's Smile Shutter technology, the DSC-T300 helps automatically[6] capture smiles as they happen, while Face Detection technology helps deliver accurate, natural images of family and friends. You can expect stunning detail and color thanks to its 10.1 megapixel resolution, Carl Zeiss® 5x optical zoom lens, optical image stabilization, and Intelligent Scene Recognition Mode.

- 10.1 MP Super HAD™ CCD
  More megapixels give you more detail and definition when you make big prints or crop in tight on your subject. The advanced Sony® Super HAD™ (Hole Accumulated Diode) CCD design allows more light to pass to each pixel, increasing sensitivity and reducing noise.
- Carl Zeiss® 5X Optical Zoom Lens
  5X optical zoom gives you the power to get even closer to the action -- a real benefit for distant landscape views and dramatic portraits.
- 3.5"[1] Widescreen Clear Photo LCD Plus™ Display
  A huge 3.5"[1] widescreen Clear Photo LCD Plus™ LCD display includes an anti-reflective coating that provides for excellent visibility to help you compose, view, and share photos with superb clarity and color reproduction, even in bright sunlight.
- Face Detection
  Face Detection technology automatically controls flash, focus, exposure, and white balance to help reveal faces in shadows, make skin tones look more natural, reduce red-eye, and eliminates harsh facial glare.
- Smile Shutter Mode
  Smile Shutter™ technology captures smiles the moment they happen[6] - without the need to press the shutter. The mode can be set to capture when your subject laughs, smiles or even grins, and like Face Detection is able to differentiate children and adults to set priority.
- Sony Double Anti-Blur Solution
  The combination of Super SteadyShot® optical image stabilization and high ISO sensitivity helps compensate for shaky hands, minimizes blur, and allow flash-free shooting to preserve the mood.
- Super SteadyShot® Optical Image Stabilization
  Super SteadyShot® Image Stabilization compensates for shaky hands and minimizes blur with a built-in gyro sensor that detects camera movement and sends correcting signals to a stabilization lens – so there's no need to crop in on your shot to reduce blur.
- High Sensitivity (ISO 3200) Mode
  With high sensitivity of ISO 3200, you can shoot effectively in low light without flash to preserve the mood, while the Sony Clear RAW™ Noise Reduction system helps suppress the color noise that can degrade low-light shots.
- Intelligent Scene Recognition Mode
  Intelligent Scene Recognition mode automatically detects 5 different types of scenes and selects the appropriate camera setting: Backlight, Backlight Portrait, Twilight, Twilight Portrait, Twilight using a Tripod. Intelligent Scene Recognition has two different modes, advanced and auto. Advanced mode takes two shots, one with the standard automatic settings and the other with optimized settings. Auto mode takes a single shot, arbitrarily deciding on the proper setting.
- Dynamic Range Optimization Standard & Plus
  Dynamic Range Optimization --- Powered by the exclusive Sony BionzTM high-speed processing engine, Dynamic Range Optimization(DRO) preserves image data in bright highlights and reveals more detail in shadows or backlit areas -- for great results even in difficult lighting conditions. New DRO Plus mode enhances optimization, analyzing each region of an image and performing additional image processing.
- Convenient Photo Modes
  To adjust quickly for specific shooting situations, you can choose from several convenient photo modes, including Auto, Program Auto, and Scene Selections such as Twilight, Twilight Portrait, Fireworks, Smile Shutter, Underwater, Landscape, Soft Snap, Snow, High Sensitivity, High Speed Shutter, and Beach environments.
- MPEG Movie VX Fine Mode
  MPEG Movie VX Fine Mode ----Capture VGA (640 x 480) audio/video clips at a high frame rate (up to 30 frames per second[7]). The maximum length of time you can shoot continuously is about 10 minutes.
- Automatic Macro Shooting
  Standard Auto Focus now covers the macro focus range, eliminating the need to manually change focus modes for close-up photography. The Macro mode has not been eliminated, and enabling it accelerates Auto Focus when shooting at point-blank range.
- 9-Point Auto Focus
  Because an off-center subject can make your shot more interesting, a 9-point auto focus measures auto-focus at 9 precision points instead of 5 -- giving you greater creative freedom to compose your image.

ADDITIONAL FEATURES

- Smart Zoom® Feature[5]
- Burst Mode
- Simple Icon Setup Controls
- Easy Shooting Mode
- Function Guide
- 15 MB[2] Internal Memory
- Memory Stick Duo™ Media Convenience
- Stamina® Battery Power
- Easy Image Management
- HDTV Compatibility[3]

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Specifications

General

Megapixel: 10.1 MP

Imaging Device: 1/2.3" Super HAD™ CCD

Recording Media: 15MB internal Flash Memory, optional Memory Stick® DUOTM Media, optional Memory Stick PRO Duo™ Media

Convenience

White Balance: Automatic, Cloudy, Daylight, Fluorescent 1, Fluorescent 2, Fluorescent 3, Incandescent, Flash

Self Timer: Yes (10 seconds, 2 seconds, Off)

Memory Stick PRO™ Media Compatibility: Tested to support up to 16GB Memory Stick PRO Duo™ Media capacity[2]; does not support Access Control security function.

Still Image Mode(s): Burst, JPEG (Fine), Exposure Bracketing

Red-Eye Reduction: Yes (On/Off all modes)

Burst Mode: 100 shots at 1.6 fps

Erase/Protect: Yes/Yes

Date/Time Stamp: No/ No

Media/Battery Indicator: Yes/Yes

Color Mode(s): Black & White, Natural, Sepia, Vivid

Convenience Features

Real Imaging Processor™ Technology: Yes - Bionz

AF Illuminator Light: Yes

PictBridge Compatible: Yes

Multi-Pattern Measuring: Yes

Scene Mode(s): Beach, Fireworks, High Speed Shutter, High Sensitivity, Landscape, Snow, Soft Snap, Twilight, Twilight Portrait, Smile Shutter, and underwater

Movie Mode(s): MPEG VX Fine(640x480 at 30fps) (MPEG VX Fine requires Memory Stick PRO Duo™ Media), MPEG VX Standard(640x480 at 16.6fps), Presentation Mode (320 x 240 at 8.3fps).

Power Save Mode: Yes (after approx. 3 min. of inactivity)

In-Camera Editing: In-Camera Retouching --- Red-eye correction, soft edge filter, cross filter, partial color filter, fish-eye filter, retro, radiation, trimming, unsharp masking and happy face.

Super SteadyShot® optical image stabilization: Yes

Inputs and Outputs

Accessory Terminal: Multi connector

Audio/Video Output(s): Yes via Mutli-Use Connector

USB Port(s): Yes (Supports USB 2.0[8])

HD Output: Yes (1080i) with optional accessory

Hardware

LCD: 3.5"[1] Widescreen (230K Pixels) Clear Photo LCD™ Plus screen

Viewfinder: N/A

Lens Construction: 12 Elements in 10 Groups, (including 3 aspheric elements,1 prism)

Microphone/Speaker: Yes/ Yes

Lens Type: Carl Zeiss® Vario-Tessar®

Docking Station: Yes, via optional HD cradle (CSS-HD2)

Operating Conditions

Flash Effective Range: Auto: Approx.0.1-Approx.3.5m(W) / Approx.0.8-Approx.2.7m (T),

Flash Mode(s): Auto, Forced On, Forced Off, Slow Synch

Optics/Lens

Focal Length: 5.8 - 29mm

35mm Equivalent: Yes

Focus: 9 Area Multi-Point AF, Center AF, Flexible Spot

Focal Distance: W:Approx. 3 1/8" (8cm) to Infinity, T:Approx. 31 1/2"(80cm) to Infinity; Close Focus Enabled: .3/8"(1cm) to 7 7/8" (20cm)

Aperture Range: Auto(F3.5-F10) / Program Auto(F3.5-F10)

Shutter Speed: Auto(1/4 - 1/1,000) / Program Auto(1" - 1/1,000)

Exposure Compensation: ±2.0 EV, 1/3 EV Step Increments

ISO: Auto, 80, 100, 200, 400, 800, 1600, 3200

Filter Diameter: N/A

Smart Zoom® Technology: Up to 7.0X (5MP), 8.9X (3MP), 9.5X (16:9 2MP) 28X (VGA Resolution)[4]

Digital Zoom: 2X (Precision)

Optical Zoom: 5X

Macro Mode: Yes

Total Zoom: 10X

Minimum Focus Distance: 19-11/16" (50cm) Normal, 3-1/8" (8cm) Macro, 3/8" (1cm) Magnifying Glass

Face Detection: Yes

Power

Battery Type: Lithium-Ion NP-BD1

Battery Capacity: 3.6V, 680 mAh

Software

Supplied Software: Windows: Picture Motion Browser Vers 3.0.02 + USB Driver

Operating System Compatibility: Microsoft® 2000 Professional, Me, XP Home and Professional, and Vista; Macintosh® OS 9.1/9.2/OS X (10.1-10.5)

Service and Warranty Information

Limited Warranty Term: 1 Year Parts & Labor

Supplied Accessories

NP-BD1 rechargeable battery

BC-CSD battery charger

A/V and USB multi-connector cables

Wrist

Color: Black

UPC Code: 027242726765

1. Viewable area; measured diagonally.
2. Available storage capacity may vary and a portion of the memory is used for data management functions.
3. HD viewing requires a Sony HD connector cable or HD Cyber-shot Station® cradle and HDTV. All sold separately.
4. Music tracks can be up to five minutes long. When using Music Transfer to download music, tracks longer than five minutes will be reduced to five minutes when uploading to the Cyber-shot.
5. Smart Zoom® feature will not work at highest resolution setting.
6. Up to 6 shots while in Smile Shutter mode.
7. Shooting at high frame rate of up to 30 frames per second requires Memory Stick PRO Duo™ media.
8. Special TV settings are required. Further details are available in the BRAVIA® instruction manual.

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